Che Journal's Great Puzzle of the Photographs.



The sictures constitute a test may answer the question, and their been made, as the results of the

Can You Tell the Boys From the Girls?



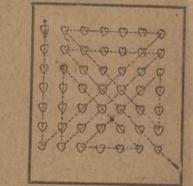
Answer to the Journal's Valentine Puzzle.

around the fireside cannot be sible to transfix the forty-nine hearts of Netherwood, N. J. who gave the imagined than in the solution and return to starting point in twelve clever answer shown in the diagram: of this unique puzzle of the flights of an arrow, but as a majority This course accomplished the feat in his choice, as indicated by the arrow.

How Will Gen. Otis Capture Aguinaldo, the Filipino Chief?



PASS THROUGH ALL OF THE TWENTY-THREE TOWNS IN THE ISLAND OF LUZON AND FINALLY LOCATE AGUINALDO AT BULACAR



l'o return to the starting point would now require one more flight, but it is right-angled methods received, as the

Answer to Who Sent the Valentine?

alities of higher mathematics.

The orthodox way is to count possible combinations of adjacent leters. As there could be six double or whereas in Trenton, with six adjacent letters also, ON occurs but once. The chances, therefore, are 2-6 in favor t Boonton as against 1-6 in favor of Trenton, the predelictions of the young lady in favor of her Trenton beau to the contrary notwithstanding.

Considerable difficulty might have

been imparted to the problem by selecting a six-letter word like London in place of Boonton. We then find that ON represents 2-5 of the adjacent letter combinations, so the answer would be as 2-5 are to 1-6. That would be the same as 12-30 to 5-30, and as that would make 17 chances in all, the answer would be "12-17 in favor of London to 5-17 in favor of Trenton."

The second valentine puzzle introduces some very complex permutations, for it will be found that there are 700 possible arrangements of six valentines to be inclosed in six envelopes. If each valentine were destined for one of the six persons, but were tions no valentine would be in its correct envelope, whereas in the 483 other positions from one to six will be placed that the chances are 267 to 453 that

Answer to the Problem of the Farmer's Horses and Wagon.

N this problem the farmer had purchased a wagon and three horses, but could only say that the "rig as it stood (that is, with one horse) cost twice as much as the other two horses, whereas, with the black horse to the wagon it would cost three times as much as the other two horses." The the wagon and horses separately

swers by stating that the furmer had spent \$180 in all, but the object being get away from ordinary lines, it w. best to give our puzzlists all thatitude they could wish. The resand failed to discover that any t



Journal's Puzzle of the Capture of Agui-

By Sam Loyd.

week's puzzle takes us to th

f New York Journal. Ten dollars sived within two weeks

zle talk which in a general way will frifms fired at me during the week, conditions of the puzzles are made puzzle appears vague, it is all the more solves it from the data given.

ose who think their answers almost, and as they solved four out of the five it better than theirs, but not quite up little girl solved all of the puzzles in impires picked it out as the best.

Magic Square Puzzle for the

puzzlists are interested in the the old mathematical works as of

rules for producing odd and offices that no one living is suffciently